

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plura ls	Time Stamp
S1	60	cut adj grade	USPAT	ADJ	ON	2006/02/22 12:45
S2	0	S1 same metric	USPAT	ADJ	ON	2005/08/29 14:29
S3	1	S1 and metric	USPAT	ADJ	ON	2005/08/29 14:30
S4	5	S1 and gemstone	USPAT	ADJ	ON	2005/08/29 14:50
S5	1	S4 and formula	USPAT	ADJ	ON	2005/08/30 10:05
S6	22	gemstone same fire	USPAT	ADJ	ON	2005/08/30 10:09
S7	25	gemstone same proportion	USPAT	ADJ	ON	2005/08/30 10:09
S8	2	("5966672").PN.	USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/22 12:48
S9	2	("6239867").PN.	USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/22 12:48
S10	2	("5615005").PN.	USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/22 12:49
S11	2	("5966673").PN.	USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/22 12:52
S12	3	("6020954").PN.	USPAT; EPO; JPO; DERWENT	OR	OFF	2006/02/22 12:49

EAST Search History

S13	22	reinitz.in.	USPAT	ADJ	ON	2006/02/22 12:54
S14	33012	johson.in.	USPAT	ADJ	ON	2006/02/22 12:54
S15	0	S14 and gemstone	USPAT	ADJ	ON	2006/02/22 12:55
S16	21	shigley.in.	USPAT	ADJ	ON	2006/02/22 12:57
S17	248	hemphill.in.	USPAT	ADJ	ON	2006/02/22 12:58
S18	0	S17 and gemstone	USPAT	ADJ	ON	2006/02/22 12:58
S19	32	DCLR	USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/02/22 13:03
S20	0	S19 and gemstone	USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/02/22 13:01
S21	9	modeled adj light adj source	USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/02/22 13:05
S22	6237	point adj light adj source	USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/02/22 13:06
S23	127426	S22 and gem or gemstone or diamond	USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/02/22 13:07
S24	187	S22 and (gem or gemstone or diamond)	USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/02/22 13:07

EAST Search History

S25	11	S24 and fire	USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/02/22 13:08
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Business MethodsBUSINESS-CRYPTOGRAPHY
Dialog Toolkit Interface**④ List of Databases Searched****Full-Text Databases - Group 1, Descriptions**

ABI/INFORM® (File 15)
Computer Database™ (File 275)
New Product Announcements/Plus® (NPA/Plus) (File 621)
Newsletter Database™ (File 636)
PROMT® (File 16)
PROMT® Backfile (File 160)
Trade & Industry Database™ (File 148)

Full-Text Databases - Group 2, Descriptions

American Banker (File 625)
Bond Buyer (File 626)
Business & Industry® (File 9)
Business Week (File 623)
Business Wire (File 610, 810)
Dialog Finance & Banking Newsletters (File 267)
Knight-Ridder/Tribune Business News (File 608)
MathSci® (File 239)
The McGraw-Hill Companies Publications Online (File 624)
PR Newswire (File 613, 813)
San Jose Mercury News (File 634)
World Reporter (File 20)
Financial Times Fulltext (File 476)

Abstract Databases, Descriptions

Dissertation Abstracts Online (File 35)
Financial Times Abstracts (File 473)
Globalbase™ (File 583)
Inside Conferences (File 65)
INSPEC (File 2)
JICST-EPlus - Japanese Science & Technology (File 94)
National Technical Information Service (File 6)
New York Times Abstracts (File 474)
SciSearch®: A Cited Reference Science Database (File 34,434)
Softbase: Reviews, Companies and Products (File 256)
Wall Street Journal Abstracts (File 475)
Wilson Applied Science & Technology Abstracts (File 99)

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Search Report

Database Name	Database Number
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ABI/INFORM	15
COMPUTER DATABASE	275
NEW PRODUCT ANNMT	621
NEWSLETTER DB	636
TRADE&INDUSTRY	148
PROMT (90-PRESENT)	16
PROMT (1972-1989)	160

Set	Description
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S1	(grading AND gemstone)
S2	PY=((1970:2000))
S3	S1 and S2
S4	S3
S5	RD
S6	SORT /ALL/pd,a

- 1 A Tsavorite for Your Christmas List?** - Dec 8, 1980 - ABI/INFORM®
- 2 Government Sets Guidelines for Gemstone Investing** - Feb 1982 - ABI/INFORM®
- 3 Gemstone explosion changes American jewelry market.** - Oct 3 - 1989 - Gale Group Trade and Industry Database™
- 4 Class management for software communities. (object-oriented programming techniques)** - Sept - 1990 - Gale Group Computer Database™
- 5 Ceramics: slow progress in processing. (includes related article on ceramic concepts) (Cover Story)** - Sept - 1990 - Gale Group Trade and Industry Database™
- 6 2 MARCH OF TECHNOLOGY: Ceramics: Slow Progress in Processing** - Sept - 1990 - Word Count: 2633 - Gale Group PROMT®
- 7 Malawi. (Malawi's mineral industry in 1990). (Brief Article)** - Annual - 1991 - Gale Group Trade and Industry Database™
- 8 Mozambique. (review of Mozambique's mineral mining industry in 1990)** - Annual - 1991 - Gale Group Trade and Industry Database™
- 9 Problems Abound In Jewelry Claims** - May 3 - 1993 - Word Count: 1412 - Gale Group PROMT®
- 10 Problems abound in jewelry claims** - May 3, 1993 - Word Count: 1390 - ABI/INFORM®
- 11 Problems abound in jewelry claims. (Special Report: Claims Review)** - May 3 - 1993 - Gale Group Trade and Industry Database™

- 12 Gemstone, rare coin buyers get refunds - Sept 7 - 1993 - Gale Group Newsletter Database™
 - 13 The document is temporarily unavailable.
 - 14 Personal consumer durables. (Industry Overview) - Annual - 1994 - Gale Group Trade and Industry Database™
 - 15 **GEM RIVER TO BEGIN SAPPHIRE MINING IN 1995** - Dec 27 - 1994 - Gale Group Trade and Industry Database™
 - 16 Opportunity beckons in Southeast Asia. (mining industry)(Industry Overview) - July - 1995 - Gale Group Trade and Industry Database™
 - 17 Neary Resources: Infill Drilling and Bulk Sample Results Increase Resource Tonnage, US\$2.0 Million Received from Exercise of Warrants. - Dec 11 - 1997 - Gale Group New Product Announcements/Plus®
 - 18 U.S. FTC: Glittering gifts -- Getting what you bargained for - Feb 5 - 1998 - Gale Group Newsletter Database™
 - 19 -FEDERAL TRADE COMMISSION: From bouquets to bangles - - FTC brochures offer tips for consumers, merchants - May 1 - 1998 - Gale Group Newsletter Database™
 - 20 Zambian mining in transition. (privatization of Zambia Consolidated Copper Mines) (Industry Overview) - Sept - 1998 - Gale Group Trade and Industry Database™

Display more titles: **1-20** 21-26

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To display full records, click a title or use the checkboxes and display buttons

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Search results: 0 titles

Search Report

Database Name	Database Number
AMERICAN BANKER	625
BOND BUYER	626
BUSINESS & INDUS	9
BUSINESS WIRE	610
BUSINESS WIRE	810
DIALOG FIN & BANK	267
KR/T BUS NEWS	608
MATHSCI	239
MCGRAW-HILL PUBS	624
PR NEWswire	613
PR NEWswire	813
SAN JOSE MERCURY	634
GLOBAL REPORTER	20
FT INFORMATION LTD	476
Set	Description
S1	(grading AND jemstone)
S2	PY=((1970:2000))
S3	S1 and S2
S4	S3
S5	RD

Help Tips for 'Zero Records' - How To Get More Records

- Don't over-specify: use only the search options you really need -- leave the others blank.
- Exclude "implied concepts": leave out words like 'research' or 'effects.'
- Use more wildcards to search different word endings: use COMPUTER? in place of COMPUTER.
- Check the format of your entry. Follow the Search Tips examples shown on the search page.
- Check for misspelled words.
- Check that you are using parentheses correctly when you combine words with AND, OR, NOT.

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Search results: **5** titles

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Search Report

Database Name	Database Number
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SCISEARCH 1990+	34
DISSERTATION ABS	35
GLOBALBASE	583
INSIDE CONFERENCES	65
INSPEC, 1898+	2
APPLIED SCI & TECH	99
NTIS	6
JICST-EPLUS	94
FT ABSTRACTS	473
SCISEARCH 74-89	434
NYT ABSTRACTS	474
TECTRENDS	256
WSJ ABSTRACTS	475

Set	Description
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S1	(grading AND gemstone)
S2	PY=((1970:2000))
S3	S1 and S2
S4	S3
S5	RD

- 1 Current challenges for the gemological identification and quality-grading of gem diamonds - 1997 - SciSearch®
- 2 BUILDING REGULATION, MARKET ALTERNATIVES, AND ALLODIAL POLICY (PROPERTY RIGHTS) - 1996 - Dissertation Abstracts Online
- 3 De Beers et Endiama: une nouvelle noce de diamants - ANGOLA - DE BEERS IN COOPERATION DEAL WITH ENDIAMA - 25 December 1990 - Gale Group Globalbase™
- 4 Recent Trend of Diamond as a Gemstone. - 1995 - JICST-EPlus
- 5 Effect of grain size on critical stress intensity factor of undefined silica particle filling epoxy resin measured at different testing method and speed. - 1990 - JICST-EPlus

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Current challenges for the gemological identification and quality-grading of gem diamonds

Shigley JE (REPRINT)

GEOMOL INST AMER, 1630 SREWART ST, SANTA MONICA, CA, 90404 (REPRINT)

GEOLOGIYA I GEOFIZIKA , 1997 , Volume: 38 , Number: 2 , Page: 569-574 , 1997

Publisher: RUSSIAN ACAD SCIENCES SIBERIAN BRANCH , 3 UNIVERSITETSKY PROSPECT, 630090 NOVOSIBIRSK, RUSSIA

Language: Russian

Abstract: Much effort is currently underway to locate, mine, manufacture, and market diamonds for retail jewelry purposes. However, both the stability and growth of this jewelry market rests in part upon two foundations: (1) the identification that the gemstone is in fact a natural, untreated diamond; and (2) the grading systems used to evaluate the quality of the diamond that are provided by various gem testing laboratories. Research efforts at the Gemological Institute of America (GIA) are directed toward addressing the challenges posed by practical diamond identification and grading procedures. If unresolved by gemological research, such challenges could affect the retail sales of gem diamonds, which in turn can adversely influence diamond exploration, mining, manufacturing, and marketing efforts.

Subjects:

- diamond identification
- gemological properties
- diamond grading

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